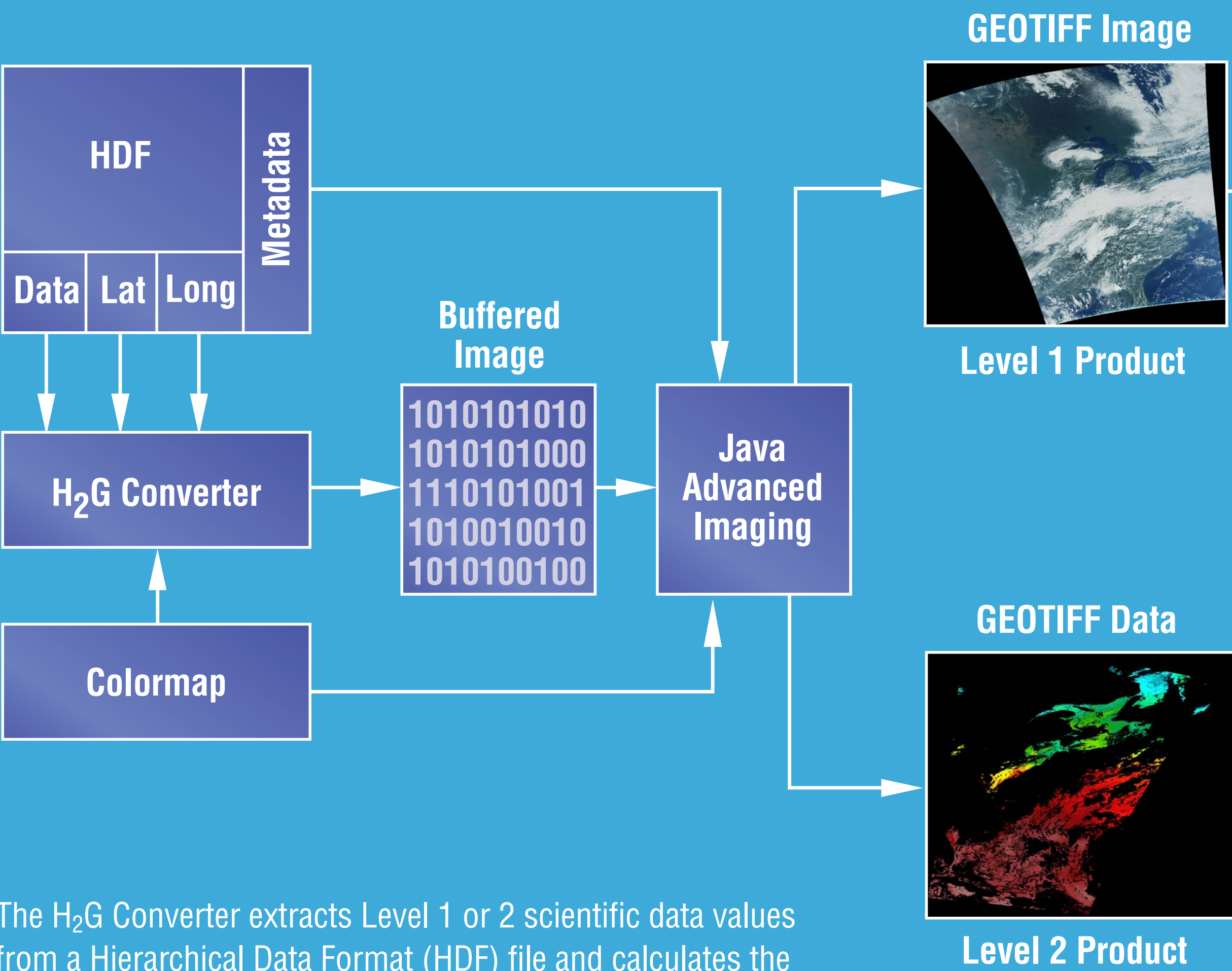


HDF to GEOTIFF (H₂G) Converter

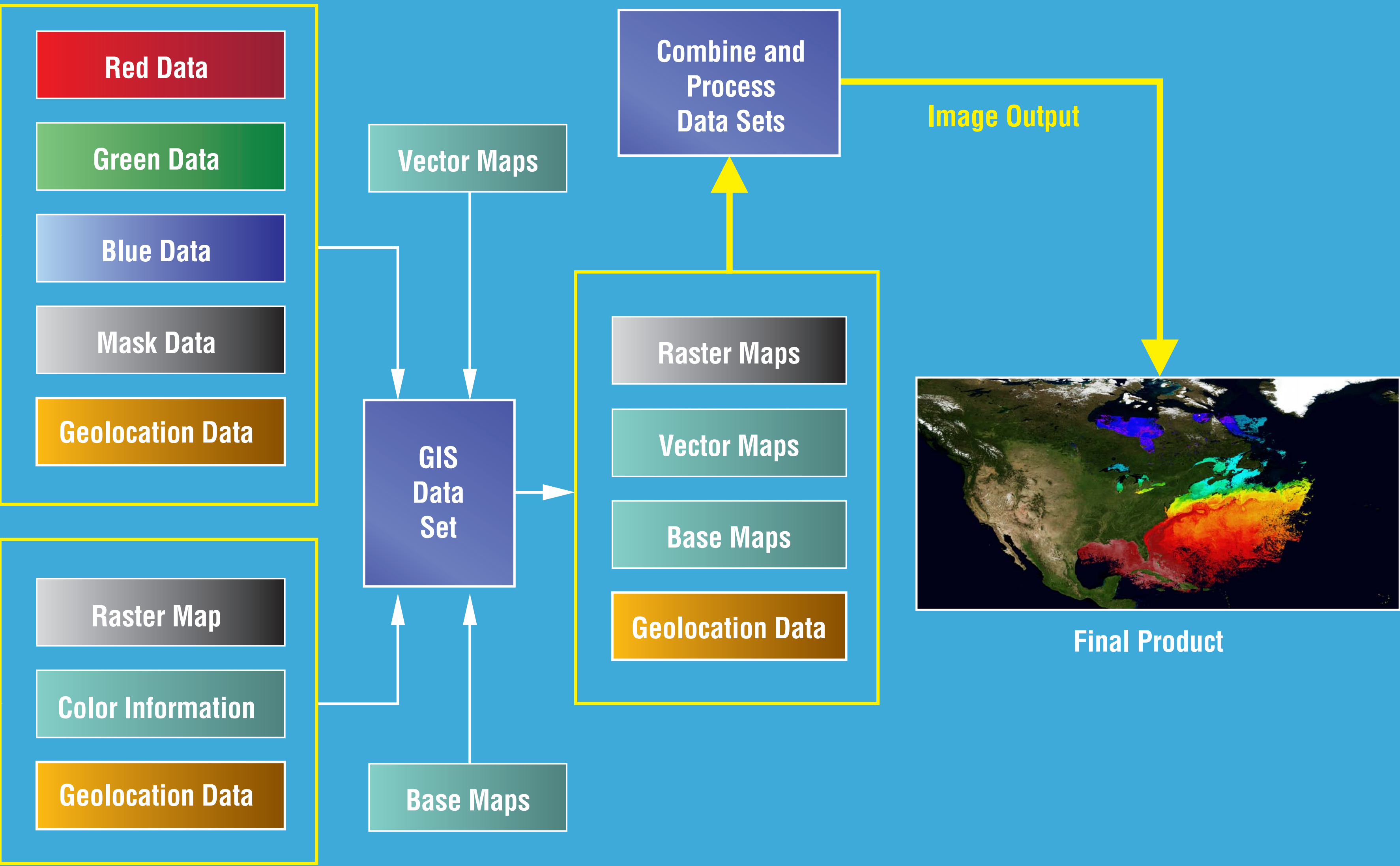
A Tool for Enhancing the Utility of Earth Science Data

THE H₂G TOOL



The H₂G Converter extracts Level 1 or 2 scientific data values from a Hierarchical Data Format (HDF) file and calculates the corresponding index on a colormap. H₂G then uses the geolocation data from the HDF file to locate the indices on an internal image buffer. This internal image buffer, the colormap, and metadata extracted from the HDF are input to the Java Advanced Imaging (JAI) package to produce a corresponding Georeferenced Tagged Image File Format (GEOTIFF) file.

GIS PRODUCT FLOW



GEOTIFF data products, which are created from the "science algorithm" HDF output via the H₂G tool, are imported to create a native Geographic Information System (GIS) data set. The GIS data set is then processed and combined into a finished data product for visualization and analysis.

